*NOTE " If space is insufficient for any of the responses on this questionnaire, please use the back of the sheet or an attachment.

Section A: General

	Date
2. Applicant	
Municipality HAMLET & AIKLAVIK	Telephone (867) 978 - 235/
Postal Address P.O. Box 88	Facsimile (867) 978 - 2434
AKLAVIK, NWT	
XOE OAO	
is by him and the second of th	
3. Contacts	
Municipal Contact Nellie Gruben	Alternate Contact ROXANNE JOHN
Position S. A.O.	Position A, S.A.O.
Telephone 978-2351	Telephone 867 - 478 - 2351
Facsimile 978 - 2434	Facsimile 867 - 978 2434

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No

If no, are such studies being planned?

- (f) solid waste disposal areas and drainage paterns,
- (g) hazardous waste disposal area,
- (h) transportation access routes.

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- (i) existing waterbodies/courses and any changes to these water bodies/courses which have or may occure as a result of water use of waste disposal facilities, locations of environmental monitoring sites.
- 10. Attach detailed scale plan drawing(s) of the proposed (or present) sewage treatment system. The drawing(s) must be stamped by an engineer registered in NWT and include the following:
- (a) details of pond size and elevation;
- (b) precise details of all retaining structures (dimensions, materials of construction, etc.);
- (c) details of the drainage basin, and existing and proposed drainage modifications;
- (d) details of all decant, siphon mechanisms etc, including sewage treatment facilities:
- (e) details regarding direction and route followed by wastewater flow from the area;
- (f) indications of the distance to nearby major watercourses, and fish bearing waters;
- (g) location and construction of liners;
- (h) leachate and groundwater collection systems; and
- (i) control structures.
- 11. Attach detailed scale plan drawings of the proposed (or present) solid waste disposal area. The drawings must include the following:
- (a) precise details of all retaining structures (dimensions, materials of construction, etc.);
- (b) details of the drainage basin, and existing and proposed drainage modifications;
- (c) details regarding direction and route followed by wastewater flow from the area;
- (d) indications of the distance to nearby major watercourses, and fish bearing waters;
- (e) all sources of seepage presently encountered in the vicinity of these areas;
- (f) the volume of each seepage flow (m3/day); and
- (g) the direction of each flow.
- Attach the present or proposed contingency plan which will be used for each portion of the waste control system in the event it fails to operate properly.
- 13. Attach the present or proposed spill contingency plan which will be employed in case a spill of hazardous materials occurs. Describe course of action, mitigative methods and equipment available for use.

<u>NOTE</u>: Individual detailed large scale drawings of all facilities (dams, decant system, ditch, dike, water treatment plant, etc) constructed or proposed <u>must</u> be attached. Specific details with regard to the methods of construction materials used, etc. are required.

Section B: Water Supply

1. Volume of Water Use

System of Distribution	Estimated Number of People on each System	Estimated average Water Use (L/c/d)	Total Water Use (L/d)
Piped	0	rege facility, (check	new haloszelő. A T
Trucked (1998)	925	108.1	100,025
Other			
Other	in Total into	n be much add to see	-8/4/12/7

(L/d)

 $WaterUsage(L/d)*\frac{1m^3}{1000 I} = WaterUsage / 00.0 (m^3/d)$

WaterUsage (m3 /D) + 365days = WaterUsage 36,509 (m3/year) 1998 HAMLET Recont

2. Type of source

TOTAL:

Lake River Well Other

100,025

3. Name of raw water source and alternative, if any.

Primary Source PEAL CHANNEL Alternative Source

4. Usual break-up & freeze-up months.

freeze Up OCTOBER Break Up MAY

Please provide short descriptions for the following.

- freshwater intake facility Two (2) 250 mm HIGH DENSITY

POLYETHELYNE INTAKES, ONE 30M FROM SHARE,

ONE YUM FROM SHORE. INTAILC SCREENS IN YM.

- operating capacity of the pumps used 142 l/m, m

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- intake screen size (1) 12 MA OPENING, 200 MA	4 LONG	, 100 mm Ø
(2) IL = OPENING, FLAT		
6. Type of water storage facility. (check where applicable).		
Reservoir Storage tank None	Other	description
7. What is the capacity of the water storage facility.	190	m 3
- ALDU ALTERNATE UNINSULATED TAI	VK,	B 190 M
8. What is the rate of withdrawl from the source?	100	(m3/d)
9. Is water drawn from the source intermitter	continuous	argenius II
If it is drawn intermittently, during what month(s) is it drawn?	ni e (cr. 'e)z	
For what time period is it drawn (days/weeks/months) ?		10 ml/10 m
10. What is the rate of flow of source (if river) or size (if lake)	2	
11. At the intended rate of water usage, describe the effects or water will be drawn?	n the river or	lake from which
MINIMAL		d Issail -
	mH	
and an item and a sufficient to the control of the		S. Please pr
		(2)
The same of the sa	14 × 10 ×	THE YEAR
	13 - 1	e evi

12. General conditions of	of:	
(a) Water supply facility	Satisfactory	Unsatisfactory
If unsatisfactory, explain_	OF STREET, OF SHARE THE	and the transfer of the state o
	And I	
-		The state of the s
A PART AND	200 7 10 2	
(b) Storage facility	Satisfactory	Unsatisfactory
If unsatisfactory, explain.	MAJN TANK	15 LEANING, CONDITION
	CURRENTLY !	UNDER INVESTIGATION. Plan
1994 P. 1875.	By GNWT to ME	tall new tent summer 1999.
		The state of the s
(c) Distribution system	Satisfactory	Unsatisfactory
If unsatisfactory, explain:		
and the contribution		and the second of the second s
196701 (1900)	ner er er lænder i det dekemmer b	ne a 15 to 10 to 1
13. Are there any chang	ges planned in the water s	unnly system?
□ No		apply system.
.10	163	
If yes, please attach a cop	y of the plan, or describe cl	hanges.
		DETERMINE USE FUL
RIMAINING	LIFE IN S	ystem. New Storage tank de : Design 2000/01, Construitio
2001/02	System upgra	de : Design 2000/01, Construitio
	Page 9 o	.÷10

Section C: Water Treatment

1. Indicate the quality of the raw water prior to treatment & distribution.
Good Fair Poor
Describe.
HIGH TURBIDITY DUNING BREGKUP & OVER
SUMMER MUNTHS
Contract (0)
2. Indicate the capacity of the treatment facility. 189 L/min
3. Type of water treatment facility.
Filtration & Chlorination Other
FILTRATION, CHLORINATION
Clorination only None
4. Describe in detail the method of water treatment (i.e. backwash, flocculation, sedimentation, chemicals used), and provide the results of the most recent bacteriological and chemical analysis. Attach a diagram if possible Plant Has a Flocencaton (Thine CLARIFIER Follows BY A WATER BUY WO-82 (COACHLATION), FLOCCULATION, Sedimentation: FICTRATION). CHEMICALS USED ALMM & POLYMER BACKWASH FROM BUTH UNITS RETHANCED No RIVER.
5. Have there been any problems or health and environmental concerns with the water treatment facilities? No
Yes, describe

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6. Will the discharge be:
seasonal
Scasoliai
continuous
If the discharge is seasonal, during what month(s) is it done? Summer Spring Breaker
What is the duration of the discharge (days/weeks/months)? 1 month
7. Comment on the general condition of the:
(a) Sewage collection system Salisfactory
(b) Discharge control system V/4
(c) Dams, diversion dykes, N/A
8. Have there been any problems or health and environmental concerns with the sewage disposal facilities? No
Yes, describe. Some community members cancerned
Yes, describe. Some community members cancerned that sewage contaminates niver.
— The second of
9. The average depth of the wastewater lagoon is m.
10. What is the design freeboard? w/n m.
11. Is there any harvesting of fish or shell fish in the waters where waste is discharged?
Page 12 of 18

No

Yes Present stand and an inches the contract of the second standard and the se
If yes, please indicate species harvested, and estimate amounts.
12. Will the municipality be using a honey bag pit?
If yes, describe its:
Location per dwgs.
Drainage
D. dinage
Operation & Maintenance per OEM Monual.
13. Are there any sources of commercial or industrial liquid waste being discharged or deposited to the municipal system which may affect the quality of the effluent or leachate produced? Yes No
If yes, please describe.
Section 2: Solid Wanter Consessor

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14. Have any spills of	cured in the past five years?
Yes	No No
If yes, describe.	
12 / 20, 200110	
15. Has there been a	ny operating problems with the lagoon?
Yes	✓ No
If yes, describe.	50 1 304 reference
16 Are any changes	planned in the sewage disposal facilities?
Yes	Y No
If yes, please describe	and if possible, attach a copy of the plan.
a bayes and a re-	and the part of the committee of the property of the property of the party of the p
· ·	

Section E: Solid Waste Disposal

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1. Indicate the capacity of the disposal area. per previous application m3
per previous application
2. The average depth of the solid waste disposal site is m.
3. Are there any sources of commercial or industrial solid waste being deposited in the municipal system which which may the quality of the effluent or leachate produced? Yes No
If yes, please describe.
4. Briefly describe how the solid waste will be picked up & delivered to the disposal area. - Garbage truck: per O&M manual.
contemp to the following the strength of the s
garden was
5. Is the solid waste site fenced?
Yes No
6. Will the municipality be using a dead animal pit? Yell No.
If yes, describe its:
Location-
Drainage
Operation & Maintenance-
7. Will the municipality be using a hazardous waste disposal area? If yes, describe its: $\sqrt{\phi}$

COLIOD-	
cation-	League at la compa ser capital. I
ucture-	
peration & Maintenance -	
Are there any hazardous commercial waste	s entering the solid waste disposal system?
Yes No	
	the state of the s
f yes, describe and note amounts and special han	idling/disposal methods for these wastes.
	Since
 If any natural watercourse may gain access 	
what methods will be used to decrease the amo	
ndicate the volume of water which may enter	
	these areas from the source(s) in question versions.
and attach all pertinent details of proposed di	versions.
and attach all pertinent details of proposed di	versions.
and attach all pertinent details of proposed di	versions.
and attach all pertinent details of proposed di	versions.
nd attach all pertinent details of proposed di	versions.
and attach all pertinent details of proposed di	versions.
and attach all pertinent details of proposed di	versions.
nd attach all pertinent details of proposed di	versions.
and attach all pertinent details of proposed di	versions.
Source	Volume (m3/day
and attach all pertinent details of proposed di	Volume (m3/day
Source	Volume (m3/day
Source	Volume (m3/day
Source	Volume (m3/day

solid waste disposal facilities?

No Dyes

Yes No.

Section F: Abandonment and Restoration Program
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1. List and describe the locations of abandoned or restored water treatment facilities.

2. List and describe the locations of abandoned or restored sewage treatment facilities.

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N.72

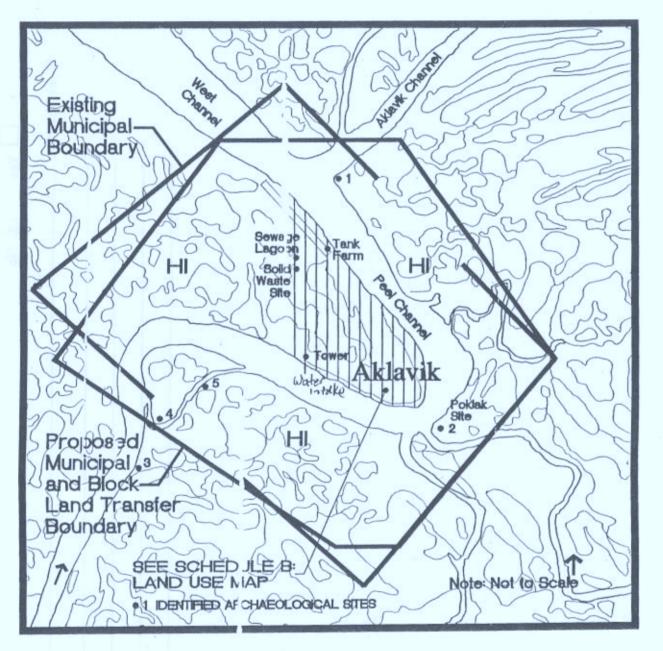
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3. Are any changes planned in the water quality monitoring program?

Yes A No

If yes, describe.

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HAMLET BOUNDARY MAP

1.0 GENERAL POLICIES

It is the intention of Co within the municipal bou accordance with the folk

- All development proview, recommend construction.
- b) Council will direct and efficient mann
- c) Council may approthis plan, if in the interest of the con
- d) Council will encoun which it deems inc buffer areas throug
- Prior to constructic approvals and pern public agency or A
- f) Aklavik has been for Canada — NWT Floor Government of the to be aware of floor accordance with the
- g) Council will encount shoreline erosion a
- h) Council will maintai line major lakes ar reducing erosion ar
- All developers and road access or driv services.
- j) Developers and pro transplanting where
- k) In the interest of proceed and condent removed as soon and condent.
- I) Council will ensure
- m) Council will encoure the municipal boun development.



